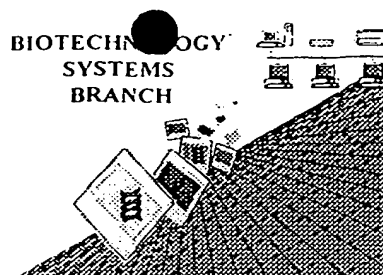


RAW SEQUENCE LISTING **ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/720,534

Source: PCT 09

Date Processed by STIC: 2-15-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT,**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Does Not Comply
Corrected Diskette Needed

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/720,534

DATE: 02/15/2001

TIME: 14:23:13

Input Set : A:\Sequence listing.txt

Output Set: N:\CRF3\02152001\I720534.raw

3 <110> APPLICANT: Sagami Chemical Research Center et al.

5 <120> TITLE OF INVENTION: Human Proteins Having Hydrophobic Domains And DNAs Encoding These Proteins

7 <130> FILE REFERENCE: 661101

W--> 9 <140> CURRENT APPLICATION NUMBER: US/09/720,534 → <140> Current application Number

C--> 9 <141> CURRENT FILING DATE: 2000-12-19

11 <150> PRIOR APPLICATION NUMBER: JP 10-180008

12 <151> PRIOR FILING DATE: 1998-06-26

14 <160> NUMBER OF SEQ ID NOS: 40

16 <170> SOFTWARE: Windows 95 (Word 98)

is missing on disk file.

ERRORED SEQUENCES

775 <210> SEQ ID NO: 27

776 <211> LENGTH: 1121

777 <212> TYPE: DNA

778 <213> ORGANISM: Homo sapiens

Sequence id numbers differ:

E--> 780 <400> SEQUENCE: 24

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781 gacagagggg aacaag atg gcg gcg ccg aag ggg agc ctc tgg gtg agg acc      52
782             Met Ala Ala Pro Lys Gly Ser Leu Trp Val Arg Thr
783             1             5             10
784 caa ctg ggg ctc ccg ccg ctg ctg ctg ctg acc atg gcc ttg gcc gga      100
785 Gln Leu Gly Leu Pro Pro Leu Leu Leu Leu Thr Met Ala Leu Ala Gly
786             15             20             25
787 ggt tcg ggg acc gct tcg gct gaa gca ttt gac tcg gtc ttg ggt gat      148
788 Gly Ser Gly Thr Ala Ser Ala Glu Ala Phe Asp Ser Val Leu Gly Asp
789             30             35             40
790 acg gcg tct tgc cac ccg gcc tgt cag ttg acc tac ccc ttg cac acc      196
791 Thr Ala Ser Cys His Arg Ala Cys Gln Leu Thr Tyr Pro Leu His Thr
792 45             50             55             60
793 tac cct aag gaa gag gag ttg tac gca tgt cag aga ggt tgc agg ctg      244
794 Tyr Pro Lys Glu Glu Glu Leu Tyr Ala Cys Gln Arg Gly Cys Arg Leu
795             65             70             75
796 ttt tca att tgt cag ttt gtg gat gat gga att gac tta aat cga act      292
797 Phe Ser Ile Cys Gln Phe Val Asp Asp Gly Ile Asp Leu Asn Arg Thr
798             80             85             90
799 aaa ttg gaa tgt gaa tct gca tgt aca gaa gca tat tcc caa tct gat      340
800 Lys Leu Glu Cys Glu Ser Ala Cys Thr Glu Ala Tyr Ser Gln Ser Asp
801             95             100             105
802 gag caa tat gct tgc cat ctt ggt tgc cag aat cag ctg cca ttc gct      388
803 Glu Gln Tyr Ala Cys His Leu Gly Cys Gln Asn Gln Leu Pro Phe Ala
804             110             115             120
805 gaa ctg aga caa gaa caa ctt atg tcc ctg atg cca aaa atg cac cta      436
806 Glu Leu Arg Gln Glu Gln Leu Met Ser Leu Met Pro Lys Met His Leu
807 125             130             135             140
808 ctc ttt cct cta act ctg gtg agg tca ttc tgg agt gac atg atg gac      484
809 Leu Phe Pro Leu Thr Leu Val Arg Ser Phe Trp Ser Asp Met Met Asp

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/720,534

DATE: 02/15/2001

TIME: 14:23:13

Input Set : A:\Sequence listing.txt

Output Set: N:\CRF3\02152001\I720534.raw

810		145		150		155		
811	tcc gca cag agc ttc ata acc tct tca tgg act ttt tat ctt caa gcc							532
812	Ser Ala Gln Ser Phe Ile Thr Ser Ser Trp Thr Phe Tyr Leu Gln Ala							
813		160		165		170		
814	gat gac gga aaa ata gtt ata ttc cag tct aag cca gaa atc cag tac							580
815	Asp Asp Gly Lys Ile Val Ile Phe Gln Ser Lys Pro Glu Ile Gln Tyr							
816		175		180		185		
817	gca cca cat ttg gag cag gag cct aca aat ttg aga gaa tca tct cta							628
818	Ala Pro His Leu Glu Gln Glu Pro Thr Asn Leu Arg Glu Ser Ser Leu							
819		190		195		200		
820	agc aaa atg tcc tat ctg caa atg aga aat tca caa gcg cac agg aat							676
821	Ser Lys Met Ser Tyr Leu Gln Met Arg Asn Ser Gln Ala His Arg Asn							
822	205		210		215		220	
823	ttt ctt gaa gat gga gaa agt gat ggc ttt tta aga tgc ctc tct ctt							724
824	Phe Leu Glu Asp Gly Glu Ser Asp Gly Phe Leu Arg Cys Leu Ser Leu							
825		225		230		235		
826	aac tct ggg tgg att tta act aca act ctt gtc ctc tcg gtg atg gta							772
827	Asn Ser Gly Trp Ile Leu Thr Thr Thr Leu Val Leu Ser Val Met Val							
828		240		245		250		
829	ttg ctt tgg att tgt tgt gca act gtt gct aca gct gtg gag cag tat							820
830	Leu Leu Trp Ile Cys Cys Ala Thr Val Ala Thr Ala Val Glu Gln Tyr							
831		255		260		265		
832	gtt ccc tct gag aag ctg agt atc tat ggt gac ttg gag ttt atg aat							868
833	Val Pro Ser Glu Lys Leu Ser Ile Tyr Gly Asp Leu Glu Phe Met Asn							
834		270		275		280		
835	gaa caa aag cta aac aga tat cca gct tct tct ctt gtg gt+ gtt aga							916
836	Glu Gln Lys Leu Asn Arg Tyr Pro Ala Ser Ser Leu Val Val Val Arg							
837	285		290		295		300	
838	tct aaa act gaa gat cat gaa gaa gca ggg cct cta cct aca aaa gtg							964
839	Ser Lys Thr Glu Asp His Glu Glu Ala Gly Pro Leu Pro Thr Lys Val							
840		305		310		315		
841	aat ctt gct cat tct gaa att taagcatttt tcttttaaaa gacaa							1010
842	Asn Leu Ala His Ser Glu Ile							
843		320						
844	gtgtaataga catctaaaat tccactcctc atagagcttt taaaatgggtt tcattggata							1070
845	taggccttaa gaaatcacta taaaatgcaa ataaagttac tcaaattctgt g							1121

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/720,534

DATE: 02/15/2001

TIME: 14:23:14

Input Set : A:\Sequence listing.txt

Output Set: N:\CRF3\02152001\I720534.raw

L:9 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added.

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:780 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:27 differs:24